

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

GENERAL PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No. < MO-G35xxxx >

Owner: < name >
Address: < address >

Continuing Authority: < name, or Same as above >
Address: < address, or Same as above >

Facility Name: < name >
Facility Address: < physical address >

Legal Description: ¼, ¼, ¼, Sec. xx, TxxN, RxxW, < county > County

Receiving Stream: < receiving stream > < (U, C, P, L1, L2, L3) >
First Classified Stream and ID: < 1st classified stream > < (U, C, P, L1, L2, L3) > < (ID number) >
USGS Basin & Sub-watershed No.: < (USGS HUC14 #) >

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

All Outfalls - SIC #5171

Storm water discharges from facilities with above ground storage capacity of petroleum products of more than 20,000 gallons, but less than 250,000 gallons. This permit includes wholesalers, retailers, and end users.

This permit authorizes only wastewater, including storm waters, discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

June 14, 2002

Effective Date

Issued Date

Stephen M. Mahfood, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

June 13, 2007

Expiration Date
MO 780-0041 (10-93)

Jim Hull, Director of Staff, Clean Water Commission

APPLICABILITY and CONDITIONS

1. This permit authorizes the discharge of storm water from secondary containment of commercial or industrial establishments with storage capacity of petroleum products of more than 20,000 gallons, but less than 250,000 gallons of petroleum products on site in above ground tanks. Facilities of less than 20,000 gallons are exempt from this permit as long as water quality is maintained in receiving streams.
2. Holders of current site specific State Operating Permits who desire to apply for inclusion under this general permit should contact the department for requirements.
3. If at any time the Missouri Department of Natural Resources determines that the quality of waters of the state may be better protected by requiring the owner/operator of the permitted site to apply for a site specific State Operating Permit, the Department may do so.
4. If at any time the owner of a facility should desire to apply for a site specific State Operating Permit, the owner may do so.
5. This permit does not authorize the discharge of waters other than storm waters, such as sanitary, cooling water or process wastewaters. Such discharges require a site specific NPDES permit.
6. This permit does not authorize the discharge of spilled materials or petroleum products drained from any equipment (transformers, trucks, cars, bulldozers, motorcycles, etc.). All such spills in an amount equal to or greater than 25 gallons shall be reported within 24 hours to the Department of Natural Resources.
7. This permit may be transferred to a new owner by submitting an "Application for Transfer of Operating Permit" signed by the seller and buyer of the facility, along with the appropriate modification fee.
8. This permit does not apply to facilities from which the discharges are within 1,000 feet of waters that have been identified as a losing stream or is listed in the Missouri Water Quality Standards (10 CSR 20-7.031) as an outstanding national or state resource water, or a lake or reservoir used for public drinking water supplies, or critical habitat for endangered species, or biocriteria reference streams. Facilities of this size with discharges located in these areas must apply for a site specific permit.
9. This permit may be reopened and modified or alternatively revoked and reissued, to incorporate new or modified effluent limitations or other conditions, if the result of a wasteload allocation study, toxicity test, or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
10. A facility covered under this general permit may use a mechanical oil/water separator without obtaining a separate permit for the oil/water separator.

EXEMPTIONS

Facilities that discharge storm water from secondary containment directly to a combined sewer system are exempt from storm water permit requirements.

REQUIREMENTS

Note: These requirements do not supersede nor remove liability for compliance with county and other local ordinances.

1. The primary requirement of this permit is the development and implementation of a Storm Water Pollution Prevention Plan (SWPPP). The SWPPP must be prepared within 180 days and implemented within 360 days of the permit issuance. The SWPPP must be kept on-site and should not be sent to DNR unless specifically requested. The permittee shall select, install, use, operate, and maintain the Best Management Practices prescribed in the SWPPP in accordance with the concepts and methods described in the following document:

Storm Water Management For Industrial Activities, Developing Pollution Prevention Plans and Best Management Activities, (Document number EPA 832-R-92-006) published by the United States Environmental Protection Agency (USEPA) in September 1992.

The SWPPP must include the following:

- (a) An assessment of all storm water discharges associated with the facility. This must include a list of potential contaminants and an annual estimate of amounts that will be used in the described activities.
 - (b) A listing of Best Management Practices (BMPs) and a narrative explaining how BMPs will be implemented to control and minimize the amount of potential contaminants that may enter storm water.
 - (c) A schedule for implementing the BMPs.
 - (d) The SWPPP must include a schedule for a monthly site inspection and a brief written report. The inspections must include observation and evaluation of BMP effectiveness, deficiencies, and corrective measures that will be taken. Deficiencies must be corrected within seven days and the WPCP must be notified by letter. Any corrective measure that necessitates major construction may also need a construction permit.
 - (e) Inspection reports must be kept on site with the SWPPP. These must be made available to DNR personnel upon request.
 - (f) A provision of designating an individual to be responsible for environmental matters.
 - (g) A provision for providing training to all personnel involved in material handling and storage, and housekeeping of areas having materials exposed to stormwater. Proof of training shall be submitted on request of DNR.
 - (h) Implementation of the SWPPP must begin no later than 12 months after receipt of the permit.
2. General Criteria. The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
 - (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
 - (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
 - (e) There shall be no significant human health hazard from incidental contact with the water;
 - (f) There shall be no acute toxicity to livestock or wildlife watering;
 - (g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
 - (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.

REQUIREMENTS (continued)

3. All paint, solvents, petroleum products and petroleum waste products (except fuels), and storage containers (such as drums, cans, or cartons) shall be stored so that these materials are not exposed to storm water. Spill prevention, control, and/or management shall be provided sufficient to prevent any spills of these pollutants from entering a water of the state. Any containment system used to implement this requirement shall be constructed of materials compatible with the substances contained and shall also prevent the contamination of groundwater.
4. Collection facilities shall be provided on-site, and arrangement made for proper disposal of waste products, including but not limited to petroleum waste products and solvents.
5. Good housekeeping practices shall be maintained on the site to keep solid waste from entry into waters of the state.
6. All fueling facilities present on the site shall adhere to applicable federal and state regulations concerning underground storage, above ground storage, and dispensers, including spill prevention, control and counter measures.
7. An individual shall be designated by the permittee as responsible for environmental matters. Staff of the permitted facility shall inspect, on each workday, any structures that function to prevent pollution of storm water or to remove pollutants from storm water and of the facility in general to ensure that any Best Management Practices are continually implemented and effective.
8. All involved personnel shall be trained in material handling and storage, and housekeeping of areas having materials exposed to stormwater. Upon request, proof of training shall be submitted to the Department.
9. This permit may be transferred to a new owner by submitting an "Application for Transfer of Operating Permit" signed by the seller and buyer of the facility, along with the appropriate modification fee.

SAMPLING REQUIREMENTS (READ THIS CAREFULLY! Your permit does NOT require sampling!)

Note: These requirements do not supersede nor remove liability for compliance with county and other local ordinances.

1. The Missouri Department of Natural Resources may require permit holder to sample the discharge from this facility. If such a requirement is given to the owner, the effluent limits on Page 6 of 6 will apply.
2. Prior to discharge, the water shall be examined for a visual sheen or other contaminants. If evidence of contamination is present, the water shall be treated prior to discharge or hauled to a POTW for treatment. A log of such inspections and findings shall be kept on-site for a period of five years and made available to staff of the Department of Natural Resources for viewing upon request.
3. Once a month on workdays, the tank system shall be visually inspected to identify problem areas that could lead to a leak. Identified problems should be repaired immediately. Areas to inspect include tank foundations, connections, coatings, tank walls, and the piping system for corrosion, leaks, or other physical damage that may weaken the tank system. A log of such inspections and findings shall be kept on-site for a period of five years and made available to staff of the Department of Natural Resources for viewing upon request.
4. The discharge of storm water from these facilities shall not cause a violation of the state water quality standards, 10 CSR 20-7.031.
5. Effluent shall not elevate or depress the temperature of the receiving stream beyond the mixing zone more than five degrees Fahrenheit. The stream temperature beyond the mixing zone shall not exceed ninety degrees Fahrenheit due to the effluent.

DUTY TO REAPPLY

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for a new permit 180 days prior to expiration of this permit.

TERMINATION OF PERMIT

This permit may be terminated when activities covered by this permit have ceased and no significant materials are stored in such a way as to contact with storm water and the site is free from residual contamination or has been officially closed. If such a termination is sought, the permittee shall submit Form H, Termination of a General Permit.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS	PAGE NUMBER 6 of 6
	PERMIT NUMBER MO-G35xxxx
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent	

limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfall #001</u>						
Flow	MGD	*		*	**	24 hr. estimate
Benzene	mg/L	0.05		0.05	**	grab
Toluene	mg/L	*		*	**	grab
Ethylbenzene	mg/L	*		*	**	grab
Zylene	mg/L	*		*	**	grab
Total BETX (Note 1)	mg/L	0.75		0.75	**	grab
Oil and Grease	mg/L	15		10	**	grab
Total Petroleum Hydrocarbons	mg/L	10.0		10.0	**	grab
pH – Units	SU	***		***	**	grab
Ethanol	mg/L	*		*	**	grab
Methyl Tertiary Butyl Ether (MTBE) (Note 2)	mg/L	0.020		0.020	**	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>UPON REQUEST</u> **; THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

* Monitoring requirement only.

** Permittee shall monitor ONLY at the request of the Department. Regular monitoring is not required. If requested, a monitoring report shall be submitted within sixty (60) days of receipt of request.

*** pH is measured in pH units and is not to be averaged. The pH is to be maintained at or above 6.0 pH units.

If required, grab sample shall be taken during a storm event of 0.1" or greater and during the first sixty (60) minutes of the discharge (or as soon thereafter as practicable).

Note 1 – Total BETX shall be measured as the sum of Benzene, Ethylbenzene, Toluene, and Xylene.

Note 2 – Use EPA method 8260A, not 8020/A/21B, due to detection limit concerns.